DOCUMENT RESUME

ED 045 153 LI 002 370

TITLE	Design for Cataloging Non-Book Materials: Adaptable to Computer Use.
INSTITUTION	Genessee Valley School Development Association, Rochester, N.Y.
PUB DATE	69
NOTE	31p.
EDRS PRICE	EDRS Price MF-$0.25 HC-$1.65
DESCRIPTORS	*Audiovisual Aids, Automation, *Cataloging, Design, *Films, *Instructional Media, Library Materials, Maps, *School Libraries, Slides, *Video Tape Recordings
IDENTIFIERS	*Library Automation, Nonbook Materials

ABSTRACT

This design was developed in response to a need for cataloging non-bock materials compatible to schools in a nine-county region. Catalcging procedures are outlined for charts, disc recordings, filmloops, filmstrips, flash cards, games, kits, maps and globes, picture slides, audio and video tapes, and transparencies. (AB)

ED045153

"PERMISSION TO REPRODUCE THIS COPYRIGHTED MATERIAL HAS BEEN GRANTED BY Genesee Valley School Development Assoc. TO ERIC AND ORGANIZATIONS OPERATING UNDER AGREEMENTS WITH THE U.S. OFFICE OF EDUCATION. FURTHER REPRODUCTION OUTSIDE THE ERIC SYSTEM REQUIRES PERMISSION OF THE COPYRIGHT OWNER."

DESIGN FOR CATALOGING NON-BOOK MATERIALS:

ADAPTABLE TO COMPUTER USE

LI 002 370

THE GENESEE VALLEY SCHOOL DEVELOPMENT ASSOCIATION

100 Allens Creek Road

Rochester, New York 14618

COPYRIGHT BY

Copyright by The Genesee Valley School Development Association, 1969.

No part of this book may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording or by any information storage and retrieval system, without permission in writing from the Publisher.

CONTENTS

	Page
Foreword	1
General Instructions	3
Charts	4
Disc Recording	5
Filmloops	9
Filmstrips	10
Flash Cards	11
Games	12
Kits	13
Maps and Globes	15
Models and Specimens	17
Pictures	18
Slides	21
Tapes - Audio & Video	24
Transparencies	26

Foreword

When the G.V.S.D.A. was funded to establish a Title III Regional Educational Center and our Library Unit became operative, a question frequently asked by librarians, was how to catalog non-book materials.

Since G.V.S.D.A. is offering computer produced catalog cards for books, with labels for the spine, pocket, and book card, it seemed appropriate and necessary that we design a cataloging code that would be helpful to our schools in our nine-county region and compatible to computerized non-book material cataloging. This suggested cataloging code was the outgrowth of a position paper prepared and presented by Mr. Charles Morrison, Jr.

The committee was appointed in February 1968 and met several times during the Spring of 1968. The contents of this pamphlet were developed by the collective thinking of the following:

COMMITTEE

Miss Helen M. Cashman, Director of Library Services, GVSDA, Chairman

Mrs. Florence Anson, Librarian, Schroeder Junior High School, Webster, New York

Mr. Robert E. Bierre, Director of Computer Services, Monroe Community College

Miss Mary Ann Connor, Supervisor of Educational Materials Center, BOCES, Monroe County #1

Mr. Arthur Cowdery, Jr., Senior Consultant, Educational Communications - City School District, Rochester, New York

Mrs. Betty Graf, Library Project Supervisor, City School District, Rochester, New York.

Miss Margaret Mattern, Librarian, Education Library, University of Rochester.

Mr. Donald Mau, Business Manager, Genesee Valley School Development Association

COMMITTEE (Continued)

Mrs. Agnes Mazzola, Librarian, Senior High School, Dansville, New York

Mr. Charles Morrison, Jr., Librarian, Irondequoit High School

Miss Irene Mullie, Curriculum Librarian, GVSDA

Mrs. Edith Wilcox, Library Resource Specialist, GVSDA

GENERAL INSTRUCTIONS:

1. The use of plain white catalog cards with no color banding is recommended.
2. The use of the name of the different media in the singular is used throughout rather than symbols or codes.
3. Most media are cataloged by title (hanging indention); the title appearing on the material itself is used rather than any appearing in catalogs, advertisements, etc.

   NOTE: There are a few exceptions to this recommendation, See PICTURE, for example.
4. Media are classified according to the Dewey Decimal Classification System.
5. The call number for non-book materials is composed of the Dewey Decimal Classification System number with the name of the particular media (CHART, FILMLOOP, etc.) above it and the first 3 letters of the first word of the main entry below it.
6. For subject headings, the use of Sears List of Subject Headings, or Library of Congress latest editions is recommended.
7. The tracing on the card may vary according to the needs of the individual school or system and should begin at the first indention.
8. The various media (parts of a kit, tapes, etc.) should be marked with the school or system ownership stamp.
9. Instructional guides that accompany the various media should be indicated on all catalog cards.

CATALOGING PROCEDURE FOR CHARTS

DEFINITION

Any graphic representation of information in tabulated or methodical form such as a list, diagram, table, etc. is considered a chart.

CATALOGING

Charts are classified according to the Dewey Decimal Classification System. The call number is formed by placing CHART above this number and the first 3 letters of the entry below the number. A chart is entered under its title in entirety. The name of the publisher and the copyright date follow. On the next line the physical description of the chart or series is given at the second indention. This includes the number of charts, width and length, color/bw.

SUGGESTED PHYSICAL PROCESSING

Label all charts with call numbers and the number of the series on the back so that the label appears at the front right corner of the storage drawer.

CHART
909
Ill An illustrated chart showing the 5000 years of the history of mankind. Book Enterprises c1961
1 chart, 35 x 48, color.

TITLE ENTRY

1 Civilization, Ancient 2 History, Ancient

CATALOGING PROCEDURE FOR A DISC RECORDING

CATALOGING

A disc recording is classified according to the Dewey Decimal Classification System with the call number being formed by placing the word RECORD above the classification number and the first 3 letters of the entry. For collections by several authors (composers, writers, etc.) the title entry is followed. After the composer and title entries, the recording company is indicated with the record number and date of recording if available. (Specifically, the musical recordings are cataloged by composer, title, form of music, performer, and instrument if it is an important part of the performance.) On the next line, the number of sides is listed first, then the size and revolutions per minute. On the following line, the performing artists are named, orchestra and/or chorus, and conductor. A contents note should list the titles. Records are cataloged fully with added entries for different titles and composers other than the main entry. Particularly at the high school level, subject headings are assigned appropriate to the retrieval of records for radio station programming, music appreciation, and period studies in the social studies, literature, and art courses. For elementary or middle schools, added entries for instruments are assigned when significant (in concertos or solos). Recordings of the spoken word are cataloged by author, title or narrator.

SUGGESTED PHYSICAL PROCESSING

The record is identified with the imprint label on the disc. The slipcase, reinforced if necessary, is marked with the call number in the upper left corner. The pocket for the circulation card is pasted in the lower left corner. On the card is typed the call number, author's name, title of the work, and the record number.

DISC RECORDING

RECORD
785.1
Bra Brahms, Johannes, 1833-1897
Symphony no. 1. RCA 2711, 1964
2s 12" 33 1/3rpm
Boston Symphony Orchestra; Erich Leinsdorf, conductor.

1 Orchestral music 2 Symphony

COMPOSER ENTRY

RECORD
782.1 Amahl and the night visitors.
Men Menotti, Gian Carlo, 1911-
Amahl and the night visitors. RCA 2762, 1964
2s 12" 33 1/3rpm
Kurt Yaghjian, Amahl; NBC Opera Company; Herbert Grossman, conductor.

TITLE CARD FOR COMPOSER ENTRY

RECORD
785.1 MUSIC, FINNISH
Sib Sibelius, Jean, 1865-1957.
Finlandia. RCA 2666, 1963
2s 12" 33 1/3rpm
Morton Gould and his orchestra.

Contents: 1. Finlandia; The Swan of Tuonela (English horn solo); Valse triste. 2. Pohjola's daughter (cello solo); Lemminkainen's return.

SUBJECT CARD FOR COMPOSER ENTRY

DISC RECORDING

RECORD
811.5
Fro Frost, Robert, 1874-1963.
Robert Frost reading his own poems.
Library of Congress, Reading Laboratory PL6, 1953
2s 12" 33 1/3rpm

Contents: The witch of Coos; The mountain; Come in; Mowing; The pasture; Reluctance; Stopping by woods on a snowy evening; The most of it; An old man's winter night; Provide, provide; The runaway; Acquainted with the night; Choose
(Continued on next card)

AUTHOR ENTRY

RECORD
811.5 2
Fro Frost. Robert Frost reading his own poems.

something like a star; A drumlin woodchuck; Why wait for science; Departmental; A considerable speck; One step backward taken; On looking up by chance at the constellation; A soldier; The gift outright.

AUTHOR ENTRY--EXTENSION CARD

RECORD
822.3
Sha Shakespeare, William, 1564-1616.
As you like it. Shakespeare Recording Society SRS-M 210, 1962
6s 12" 33 1/3rpm
Starring Vanessa Redgrave, Keith Michell, Max Adrian, and Stanley Holloway, with supporting cast; Peter Wood, director.
Analytical notes by G. B. Harrison on cover; text of the play (89p.) laid in.

I Title

AUTHOR ENTRY

DISC RECORDING

RECORD
920
Ken Kennedy, John Fitzgerald, 1917-1963.
Profiles in courage. RCA VDM-103, 1965
2s 12" 33 1/3rpm
Narrated by Senator Edward M. Kennedy.

Contents; Oscar W. Underwood; Mary S. Mc Dowell; Thomas Hart Benton; Frederick Douglass; Andrew Johnson; John Peter Altgeld; Richard T. Ely.

1 U.S.--Politics and government 2 Underwood,
(Continued on next card)

AUTHOR ENTRY

RECORD
920
Ken 2
Kennedy. Profiles in courage.

Oscar W. 3 McDowell, Mary S. 4 Benton, Thomas Hart 5 Douglass, Frederick 6 Johnson, Andrew 7 Altgeld, Governor John Peter 8 Ely, Richard T. I Title

AUTHOR ENTRY-- EXTENSION CARD

RECORD
784
Cum Cumberland mountain folksongs; sung by
Paul Clayton with guitar and dulcimer
accompaniment. Folkways FP 2007
2s 33 1/3rpm
1 leaflet

TITLE ENTRY

1 Folk songs

CATALOGING PROCEDURE FOR FILMLOOPS

DEFINITION

A filmloop is any motion film which is endless in form.

CATALOGING

Filmloops are classified according to the Dewey Decimal Classification System. The call number is formed by placing the word FILMLOOP or FILMLOOP SOUND above the classification number and the first three letters of the entry below it. Filmloops are entered under the full title, not the producer or distributor. The title is followed by the producer's name and date. Following this are the size of the film (regular or super), cartridge system, color/bw, and the time. Next the series is given and the producer's identification number for the item.

SUGGESTED PHYSICAL PROCESSING

The call number is placed on the back of the box holding the filmloop. An ownership label is placed on the loop and the box; a charge card is placed inside the box. The library may find it necessary to label the cartridge as well as the box.

FILMLOOP
582
See Seeds sprouting. Ealing 1959
8mm, super, Technicolor cartridge,
color, 2 min. (Walt Disney Nature
Library, 81-965)

TITLE ENTRY

1 Biology 2 Botany 3 Germination

CATALOGING PROCEDURE FOR FILMSTRIPS

CATALOGING

Filmstrips are classified according to the Dewey Decimal Classification System, the call number being formed by placing the word FILMSTRIP or FILMSTRIP SOUND above the number and the first 3 letters of the entry below it. Filmstrips are entered under the title or the main entry followed by the name of the producer and the date of production, if meaningful. On the next line, sound, speed and any other accompanying media should precede the series note.

Note: In cataloging the FILMSTRIP SOUND, the time factor is considered important and should be included in the collation (sound, speed, etc.)

FILMSTRIP SOUND
375
Dec Deciding what to teach. NEA c1965
Color; record, 33 1/3rpm, 18min.
Study guide; script and suggestions for presentation.

TITLE ENTRY

1 Education--Curricula

CATALOGING PROCEDURES FOR FLASH CARDS

DEFINITION

A flash card set is a series of cards having words, numerals or pictures on them.

CATALOGING

Sets of flash cards are entered under the general title of the set and classified according to the Dewey Decimal Classification System. Above the classification number is the term FLASH CARD and below it are the first 3 letters of the entry. The publisher and copyright date follow the title with the series being noted after the imprint. If significant, the author, editor or publisher may appear as an added entry.

Two lines below the imprint the number of individual cards is given. If a teaching guide accompanies the flash cards, this is noted in the next line.

SUGGESTED PHYSICAL PROCESSING

The classification number is placed on each card along with the school stamp. The charge card and pocket identified by the school stamp are placed, if possible, on the inside of the box containing the cards. The call number and title are placed on the side of the box depending upon the position in which it is housed.

FLASH CARD
596
Tea Teach me about fishes. Gelleswidmer c1962 **TITLE ENTRY**

48 cards, guide.

1 Fishes--Study and teaching

CATALOGING PROCEDURE FOR GAMES

CATALOGING

Games are classified according to the Dewey Decimal Classification System with the word GAME placed above the number and the first 3 letters of the entry below the number. Games are entered under the title followed by the producer and copyright date. At the second indention on the next line appear the series name and the identification number of this game. Two lines below the necessary parts of the game are listed.

SUGGESTED PHYSICAL PROCESSING

The call number is lettered on the box and the charge card is placed on the inside of the box.

GAME
973
Uni United States lotto. Milton Bradley c1958 **TITLE ENTRY**
Lotto series, #63.

6 lotto cards, 24 buttons, 48 cover cards.

1 Games

CATALOGING PROCEDURE FOR KITS

DEFINITION

A kit is a collection of a variety of media on the same or related subject.

CATALOGING

A kit is classified according to the Dewey Decimal Classification System, and the call number is formed by placing the word KIT above the classification number and the first 3 letters of the entry below it.

The kit is entered under its title, followed by the producer and date at the second indention. If there is a study guide, this should be indicated on the next line. In the contents note all items of the kit should be listed with data pertinent for identification purposes.

SUGGESTED PHYSICAL PROCESSING

The call number should be lettered on the case of the kit and all the individual items.

KIT
958
Afg

Afghanistan kit. International Communications Foundation 1961 — **TITLE ENTRY**
Study guide.
24 study prints with Instructor's guide, b/w.
4 Filmstrips Sound, color, 2 records, 33 1/3rpm: Record 1, side 1, Afghan panorama; side 2, Exploring Afghanistan: The people and their country. Record 2, side 1, Trade routes that built Afghanistan; side 2, If you were a boy born in Afghan-

(Continued on next card)

KIT
958
Afg

Afghanistan.

istan.
Realia: 1 handmade shoe, 1 prayer rug,
1 karakul fur sample, 1 pocket mirror,
1 wooden comb, 1 skull cap and a turban,
coins, 1 flag.

1 Afghanistan 2 Music--Afghanistan

TITLE ENTRY--EXTENSION CARD

CATALOGING PROCEDURE FOR MAPS AND GLOBES

CATALOGING

Maps and globes are classified according to the Dewey Decimal Classification System, with the word MAP or GLOBE above the classification number and the first 3 letters of the entry below it to form the call number. Enter maps under the title appearing on the article with the name of the projection as a sub-title. The company holding the copyright is regarded as the publisher and along with the copyright date appears on the next line at the second indention. On the second line below, indicate the series and number in series, the number of maps (if more than one), their width and length, and type (roller, flat or folding). On the next line state the information concerning the scale used. For globes, follow the same procedure as for maps above, giving the same information where applicable.

SUGGESTED SUBJECT HEADINGS FOR MAPS - BASED ON SEARS LIST OF SUBJECT HEADINGS

Asia--Maps, Physical-Political.
Asia--Maps, Political.
Asia--Maps, Physical.

Australia--Maps, Political.
Australia--Maps, Physical.
Australia--Maps, Physical-Political.

Europe--History-to 476--Maps.
Europe--History--476-1492--Maps.
Europe--History--1492-1789--Maps.

U.S.--History--Colonial period--Maps.
U.S.--History--Revolution--Maps.
U.S.--History--1783-1865--Maps.

MAPS AND GLOBES

MAP
912.4
Eur Europe, physical-political; simple conic projection.
Denoyer-Geppert c1964

Jrp series, J2rp, 40x60, folding.
Scale 1:4,750,000; 1"= 75 miles.

TITLE ENTRY

1 Europe--Maps, Physical-Political

GLOBE
912
Pic Pictorial relief globe.
Nystrom and Company n.d.

12" diameter, 1 scale strip.
Scale 1:9,000,000; 1"= 230 miles.

TITLE ENTRY

1 Earth--Maps, Physical 2 Globes

CATALOGING PROCEDURE FOR MODELS AND SPECIMENS

CATALOGING

Models and specimens are entered under the name of the object unless there is a specific title on the object itself in which case that will appear on the first line. They are classified under the Dewey Decimal Classification System with the word MODEL or SPECIMEN above the classification number and the first 3 letters of the entry below it to form the call number. On the next line after the title and at the second indention, indicate the name of the producer and the model or specimen number as it appears in the producer's catalog. If there is a guide, this should be shown on the next line. If the guide is for teachers' use, indicate this by the designation, Teachers Guide. Two lines below in the form of a note the parts of the model or specimen should be identified.

SUGGESTED PHYSICAL PROCESSING

Label model in an inconspicuous place with the classification number. The charge card should be kept with the object.

MODEL
612
Ear Ear.
Nystrom Biological Model Company. AM 113. Guide. **TITLE ENTRY**

Notes: Enlarged, unbreakable plastic model containing 3 parts: 1 ear, 1 eardrum, and 1 cochlea and semicircular canals.

1 Ear 2 Biology

CATALOGING PROCEDURE FOR PICTURES

DEFINITION

Drawings, paintings, portraits, photographs, posters, or prints of any of these, are considered pictures. Also included in this category are reproductions of documents such as the U.S. Constitution.

CATALOGING

Pictures are entered under the name of the artist, if they are a collection or a single work by one artist. If they are a collection by several artists, they are entered under the compiler. Pictures are classified according to the Dewey Decimal Classification System, with the recommendation that the more specific numbers should be favored rather than those more general in scope. To form the call number, the word PICTURE is placed above the classification number and the first 3 letters of the entry below it. The title, publisher and date of publication appear in the usual order. The description is comparable to the collation and contains the size, color/bw. If the title is the name of the collection, a contents note should list the pictures in the collection.

SUGGESTED PHYSICAL PROCESSING

The call number should be lettered on the reverse side of the picture where the pocket for the charge card should be attached.

PICTURES

PICTURE
759.13
Bel Bellows, George, 1882-1925.
Sand team. Bro-Dart n.d.
15 1/2 x 26 color (Bro-Dart Master Colorprints, Series 3 A)

ARTIST ENTRY

1 Painters, American 2 Animals in art
3 Composition (Art) I Title

PICTURE
523.2
Dis Discoveries about sun and sky. Tiny Tots Publishers 1966
12 pictures with developmental activities on reverse side 10 3/4 x 13 1/2 color

TITLE ENTRY

Contents: Sunrise; Sunset; Fog; Hail; Three quarter moon; Full moon; Day time moon; Noonday sun; Flight in the skies; Clouds; Thunder and lightning.

1 Weather 2 Astronomy

PICTURES

PICTURE
590
Rep Reptiles and amphibians. Society for Visual Education 1964
8 pictures 12 x 20 color

TITLE ENTRY

Contents: Toad; Box turtle; Alligator; Bullfrog; Leopard lizard; Spotted salamander; Five-lined skunk; Garter snake.

1 Biology 2 Zoology

CATALOGING PROCEDURES FOR SLIDES

DEFINITION

In this category are 2" x 2" and 3¼" x 4" slides and microscope slides.

CATALOGING

Slides are classified according to the Dewey Decimal Classification, the call number being formed with the word SLIDE or MICROSCOPE SLIDE above the classification number and the first three letters of the entry below it.

The main entry for an individual slide is the artist, if known; if the artist is not known, the title of the slide or the place and name of the object portrayed is used, in hanging indention position. When the artist is the main entry, the title appears on the second line, at second indention. Entry by title, or the place and name of the object portrayed, is followed by the imprint, which includes the producer and the producer's catalog number for the slide. The next line includes the size of the slide, whether it is in color or in black and white, and the producer's series or set title, if any.

When a set of slides is cataloged as a set, the main entry is the artist, if all slides are by one person. On the second line the title of the set follows at the second indention. Entry by title of the set, in hanging indention form, is used if the slides represent the work of several people. The collation is the same, except that the number of slides in the set precedes the size of the slides. A contents note may be made for slides cataloged as sets. The individual school may wish to indicate the type of equipment needed.

The main entry for a microscope slide is the name of the object represented, or the type of objects represented in a set, in hanging indention position. The entry is followed by the imprint, which includes the producer and the producer's catalog number.

SUGGESTED PHYSICAL PROCESSING

The classification number appears in available space on the slide margin.

A charge card is made for each slide or set of slides.

SLIDES

SLIDE
759.13
Woo Wood, Grant, 1892-1942.
Daughters of the American Revolution.
American Library Color Slide 207.
2 x 2 color (Regional American painting, CS 460)

ARTIST ENTRY

1 Paintings, American I Title

SLIDE
722.8
Del Delphi, Greece. The Sacred Way: the Treasury of the Athenians, view from the east.
Herbert E. Budek
2 x 2 color (Delphi. Set 1, no.8)

TITLE ENTRY INDIVIDUAL SLIDE.

1 Architecture, Greek 2 Sacred Way

SLIDES

SLIDE
581.46
Wil Wild fruits. Society for Visual Education
S80S
10 slides 2 x 2 color

TITLE ENTRY SET

Contents: Bird cherries; Blueberries; Choke cherries; Cranberry; Firethorn; Japanese barberry; Mountain holly; Red elderberry; Red raspberry; Wayfaring bush

1 Fruit

MICROSCOPE SLIDE
581
Ele Elementary botany. Ward's 95 W 0200
12 slides

TITLE ENTRY

1 Botany

TITLE ENTRY

MICROSCOPE SLIDE
613.32
Sto Stomach, Human. Section through fundic region with gastric glands. Ward's
93 W 6764

1 Biology 2 Stomach

CATALOGING PROCEDURE FOR TAPE - AUDIO AND VIDEO

CATALOGING

Tapes are classified according to the Dewey Decimal Classification System. Form the call number by placing TAPE, AUDIO or TAPE, VIDEO, whichever applies, above the classification number and the first 3 letters of the entry below it. For tapes, the cataloging procedure is practically the same as for Disc Recording, p.5. Additions to the descriptive data for audio tape are stereo or monaural, number of tracks, speed and time, physical format, e.g. cassette or reel to reel. (indicate by word, reel) Additions to video tape are time and physical format, e.g. tape size and playback equipment needed.

SUGGESTED PHYSICAL PROCESSING

The call number is entered on the spine of the tape box. An ownership label is attached to the tape reel or cassette and in addition a leader on which is printed identification.

TAPE, AUDIO
639.2
Foo Food from the sea; the hunting stage. **TITLE ENTRY**
Smith and Sons c1962
Monaural, 1 track 7 1/2ips 15min
reel (The Ocean Depths: a New Frontier
Series #65)

1 Ocean 2 Food supply

TAPE, VIDEO

TAPE, VIDEO
655.24
Pic Pica and elite, produced by the City School District of Rochester, New York; distributed by New York State Education Department, Division of Educational Communications, Albany, New York 1968.
19 1/2 min 2" helical scan Ampex 660
(Typewriting series)
Teacher's guide and student workbook

TITLE ENTRY

1 Type 2 Typewriting

CATALOGING PROCEDURE FOR TRANSPARENCIES

DEFINITION

Transparencies are the illustrations (about 8 x 11 in size) used with the overhead projector.

CATALOGING

Enter them under their most significant aspect, usually title, but occasionally author, title, series or subject. Since they rarely have authors, transparencies are usually in the form of hanging indentions.

Give the title, followed by producer's code number, any other distinguishing information printed on the item, and the producer. If the copyright date is available, include it. Series name can be noted after this information in parenthesis.

Below the imprint the parts of the transparency can be listed, overlays, teaching guides, etc.

Many teacher-made transparencies may be accumulated. They can be grouped by subject and listed on the main entry card.

SUGGESTED PHYSICAL PROCESSING

The call number label should be fastened to the frame of each transparency, or the envelope which holds the series.

TRANSPARENCIES

TRANSPARENCY
500
Ele Elementary science projectuals; prepared by Leonard L. Goodale. Raytheon Ed. Co. 6 sets (86 titles) with carrying case

Contents: Set 1- 13 titles; Set 2- 14 titles; Set 3- 14 titles; Set 4- 15 titles; Set 5- 14 titles; Set 6- 16 titles.

1 Nature study 2 Animals 3 Plants 4 Insects 5 Astronomy 6 Physics 7 Earth

TITLE ENTRY FOR SET

TRANSPARENCY
808.06
Eng English composition; figures of speech. Sixteen transparencies.

Contents: Alliteration; Allusion; Analogy; Climax; Discussion; Epigram; Hyperbole; Irony; Metaphor; Metonomy; Onamatopoeia; Parallel construction; Personification; Puns; Simile; Understatement.

1 Rhetoric

TITLE ENTRY FOR TEACHER MADE

TRANSPARENCIES

TRANSPARENCY
629.4
Spa Space exploration. CM-1 through CM-6, Communications. Hubbard Scientific Co.
6 transparencies

TITLE ENTRY

1 Telecommunication

TITLE ENTRY

TRANSPARENCY
629.4
Spa Space exploration. FM-1 through FM-6, Flight mechanics. Hubbard Scientific Co.
6 transparencies with teacher's guide.

1 Space science